PLAYING THE PIANO.

natural, habitual or nerennary. In cer-

tain states of consciousness we bring

into play certain muscles just as natur-

is for this reason that a pupil is some

times taught to play a passage with

widely differing movements of the hand and arm by different teachers. Thus it

not infrequently happens that an in-

structor scatters broadcast over the land, through his pupils, peculiar man-

nerisms which he inherited from his

uncestors. It may readily be seen that

ing based on philosophic principles.

thoughts. This involves not only the

trol of the muscles and nerves that all

gradations of tonal coloring may be ex-

pressed. Piano playing has been com-

pared to an electric current—the musical thought emanates from the brain,

passes through the nerves which move

the muscles to be used, the finger strikes

the key, the hammer strikes a wire,

which in its turn produces a tone, the

ear conveys the tone back to the brain,

thus completing the circuit. Weak or

sluggish muscles, therefore, not readily

yielding themselves to the nervous stim-

ulus flowing from the brain, will

break the circuit, and the musical

phrase will fall short of the musical con-

In piane playing the purely mental

Intellectual phrase finds its expression

in the circumscribed movements of the

fingers and hand, using the knuckles or

wrist as the center of motion. Pas-

sages from Bach's "Fugues and Inven-

tions" admirably illustrate this state-

MOVEMENT IN STACCATO

OCTAVE PLAYING.

ment. An emotional phrase demands

fly supply. Climaxes and passionate

It is not always necessary that such

used in oratory should be used in piano

playing, as the energy can be brought

from the shoulder, the vital center, also

from various combinations of the vital,

mental or emotional centers without

peculiar to himself of using the agenta

just as the potters' clay must be ren-

dered soft and plastic before it can be

We can utter so many words with one

must draw upon the reservoir-the sir-

rapld succession of notes with a given

supply of nerve energy, and when that

is exhausted we must draw upon the

reservoir-the brain-for another sup-

ply. This necessity of our physical na-

ture is the basis of rhythm, and if the

regularly recurring inclination to build

up the waste is unheeded, health and

until a sensation of weariness is felt

While conscious technic kills expres-

sion, the very core of the true system

Hamlet's advice to the players: "Suit

he action to the word," which, freely

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Washington This Afternoon. Washington, Oct. 15-The members of

The commission will leave Washington

officers, men and others who can throw

t aspecial attention to complaints that

From Jacksonville the commission ex-

ills, Lexington, Ey: Middletown, Phys.

rught the confirm tour will consume

it to visit in order Tampa, Atlanta,

pour to have any foundation.

for another supply. We can play a

and advanced student alike.

the vital center of the shoulder.

more freedom of movement, which the

Mr. H. A. Kelso Advances a Valuable New Theory.

Study of Anatomy, Physiology and Knowlessary for a Thorough Massery of the Planoforte.

[Special Chicago Letter.] H. A. Kelso, of Handel hall, Chicago, bresents a new theory of piano play-ing based upon principles of anatomy, would not be the case were all teachphysiology, acoustics and psychology, and in an exhaustive article which he has published on the subject under-essarily be formed, and movements based on the natural laws of expression be reduced to a scientific basis. He advises the study of anatomy, that the and, when acquired, enable us to exteacher may learn to develop a good press musical thoughts more clearly and "plane hand" of physiology that we more forcibly than habits formed at hapmay learn the fundamental causes hazard. Technic, as applied to piano which operate in velocity playing, playing, is the power to express musical We learn, he says, to avoid and sucpessfully treat weeping sinews and mu-correct fingers, but requires such con-

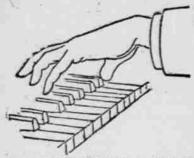


FIG. L MOVEMENT IN STACCATO OCTAVE PLAYING.

sician's cramp. By the understanding and application of the laws governing muscle innervation we learn to control and husband the potent force termed mervous energy. Misdirected nerve energy makes sickly piano players and unhealthy music is the result. Extracts from his article follow:

Better modes of developing the pow-tr of memorizing and of preserving untouched the pupil's individuality are the result of paysical study. That we should study acoustics "goes without saying," as we cannot know too much of sound. Pedal management, tonal coloring and the science of harmony are all better understood through a knowledge of the properties of acoustics. A knowledge of the anatomy of the hand, wrist, fore and upper arm gives the student greater fapility in individual muscular control. In consequence of the control thus gained, the whole arm becomes more expressive. A crisply-leggiero effect can best be produced by energizing the muscles of the upper arm and those of the fingers, while relaxing the wrist muscles. This is a very important point, and is simply the application of the mechanical principle of the resistmace being equal to the force of the

A dewelopment of the pronator muscles in the forearm renders possible a good position of the hand for playing octaves, arpeggios, scales, chords and trins with the fourth and fifth fingers. Rolling octave playing is dependent upon a separated control of the supinator and pronator muscles from those of the fingers. Speed requires the shortening of the latent period of the muscle, and this can be accomplished only by taking up the slack of the tendons. The principal muscle concerned in producing a crisply stacrate effect with finger action is the exlensor, as upon this muscle depends principles of all varieties of touch. the brevity of tone. By clevating the

for producing the effect. e physiology of velocity playing is the many tendons that pass through the nulled. s subject of great interest to the prac- wrist are tense. Almost every pupil Heal plane teacher. In some persons beginning the study of the plane has government of Nicaragua will grant a HARDIN EBEY, rapidity of movement is natural, the some unconscious mannerism or trick muscular tissue is very irritable and exercises of speed do not demand great of expression. Before eradicating these effort. In others the muscles, although | bad habits and building up those which rnergetic, obey the orders of the will are correct, a certain condition of paswith considerable slewness. A great sivity or relaxation must be achieved, expenditure of nervous energy is necresary to obtain a rapid movement. Il-Instrations of these differences may be modeled into the desired forms. I find noticed in the gymnasium, in fencing. for this purpose the Delsartean exerboxing, rowing, walking, and in piano cises known as relaxing or devitalizing playing. Pfluger is authority for the of inestimable value to the beginner

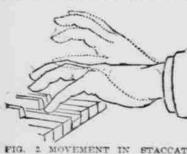


FIG. 2 MOVEMENT IN STACCATO strength will be impaired. Do not weit

statement that when a nerve is stim- before renewing the energy, as we ulated by action of the will or otherwise, should no more play with exhausted The stimulus received by the nerve in-strength than speak with exhausted creases in intensity as it reaches the breath.

The three attributes of tone are force. hitch and quality. Force is dependent of technical expression is embedied in on the amplitude of the vibrations. Pitch is dependent upon the vibrational number-the greater the number the deduct principles of study which are | sical thous practicable to an intelligent student of piano playing. The overtones of tones such great vibrational number that the ear fails to establish a definite pitch for them. Then, again, the waves of such tones are so short that they van- hold a morning session but devoted the ish almost immediately after sounding; time to proparation for the tour of the therefore this pedal, which permits the army corps, which begins tomorrow. tone to be reenforced, may be used more freely in the upper register than in the shoot 4p. m. domarrow, going direct to middle or lower. One tone sustained by | Jacksonville, Fla. where they are schelltensity to about four in the upper register. It is possible by a delicate manipulation of the pedal to obliterate the discordant harmonies in the upper, without losing an organ point in the lower pegister, which sometimes of necessity must be sustained by the pedal.

A point which is of equal importance with the manner of striking is that of Anniston, Huntaville, Chattaneours, Knoxthe manner of leaving the keys, for ppon this hinges the entire system of legate octave playing. Wide skips, such | go to Camp Wikoff, Long Island. It is as a bass note and its chord, and broad Intervals either in the accompaniment or melody, may be made to sound legato without the use of the pedal, by releasing the unger from the key slowly, thus damping the tone gradually. Many beautiful effects may be produced by dining coach and sleeping and parlor cars the Missouri river, likewise a second class dining coach and sleeping and parlor cars rate of \$25. Rates east of the river will be readed the river will be readed to the river this use of the pedal.

All movements of the body are either party.

ally as water seeks its lowest level. It

In the Way of Would-Be Nicaragua Canal Builders.

TWO CONCESSIONS AHEAD

And the Government Has an Eye on the Main Chance.

(Correspondence of the Associated Press.) Managua, Nicaragua, Sept. 14.-Messrs. Edwin F. Cragin of Chicago, Edwin Ever, of the firm of R. Grace & Co., and Frank S. Washburn of New York have arrived at this capital. The object of their mission is to obtain from President Zelaya authority to attempt to organize a company and obtain the necessary capital, estiffated at \$100,000,000 i ngold, to construct a canal across Nicaragua. President Zelaya has placed them in conference with th acting minister of public works, in order to ascertain what they propose to accomplish and what guarantees they will over in regard to the proposed construction of an inter-ocean canal across the peninsula of Nicaragua. There are, however , several obstacles in the way at present that appear insuperable to the organization of a new company, with concessions that would attract and satisfy capitalists.

time Canal Company of Nicaragua" is still alive, and that the charter is unimpeachable and is to remain in force until October, 1899, acording to the company, but only until October, 1898, as claimed by the government of Nicaragua. However, the further existence of the life of its charter in the fact that, owing to the numerous revolutions and other disturbances in the country since the granting of the charter, in 1887, the people have been seriously unsettled by the infliction of heavy fines, forced loans, imprisonment and impressment by one political party or another into the army, this being especially so in the case of the laboring class, and causing thousands of the natives to flee to other states for refuge, so that no extensive work like the cutting out of a canal channel was possible in the circumstances. Under the contract held by the company,

keep at the canal works a police force

firmness of the elbow-the emotional center-and length of the forearm read-This force was maintained at the storehouses and workshop at Greytown, when work on the canal was commenced, but outbursts of musical feeling demand the subsequently, owing to fears of revolutionadded strength and wider swing ary troubles in western Nicaragua, the through space of the entire arm from vernment called off the police at the canal for duty elsewhere and then Nicarbroad gestures from the shoulder as are

agua's protection ended. Even if the existing concession to the Maritime Canal Company of Nicaragua, chartered by the government of the United States, were abrogated, there comes to the from the mental or emotional centers or front the concession granted in 1897 to the Caribbean and Pacific Transit company, limited, of Liverpool, England, for the ex-"tearing passion to tatters." This clusive right of steam navigation on the knowledge of the p yschological divisions of the arm gives clear and exact, with other concessions of lands, timber,

etc. This company desires to control not only inter-oceanic transportation across Nicaragua, but claims the privilege, in its charter, to build and operate a system of railroad and steamboat transportation suf-

It is not improbable, either, that the canal-constructing charter or concession t any new company until the government is secured by a large sum on deposit as a guarantee, and an equaly large sum in gold as a bonus together with a large percentuge of the capital stock and the insertion of clauses in the contract, placing the entire control of the company under the laws of Nicaragua and binding the company not to appeal to its national goverument for help in the event of any disate between the company and the govcoment of Nicaragua.

Tomorrow (September 1)5 is the seventythird anniversary of the independence of breath, and when that is exhausted we Nicaragua and all the Central American states and their deliverance from Spanish overeignty. The occasion is to be cele brated here by a sham buttle on a hill south of this city, between a force of ar

> mnesty to thousands of Nicaraguans wh the army during the frequent bloody rovolutions in this country.

NOT LABOR VERSUS CAPITAL But Labor Versus Labor Is What Aiis

the Glass Workers, Pittsburg, Pa., Oct. Il.-Window-glass slants throughou tibe United States failed to sturt the season's operations last midadapted, may be made to read: "Suit | night. Fires were blocked and may be exhigher the pitch. From these facts we the technical interpretation to the mustinguished, and 15,000 workers, who have been looking forward to a general resumption on October 15, are forced to remain idle. The strike is for an advance in the sounded in the upper registers are of War Investigation Board Leaves wages of the cutters and flatteners, but in Knights of Labor and the American Feder-

aled to arrive about noon offinday. They Delta frateroity, with 20 delegates, repreurpose going direct to the military camp sensing forty-three colleges in the United States, is celebrating its contemplal here. many prominent men are expected to take part in the exercises, among them General Bishop Hartzel', Bishop William E. Mc

where a camp is located. Later they will ranged.

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the government of Nicaragua is obligated sufficiently sirong to protect the contractors, engineers and laborers and guard the machinery, edibles and supplies.

reasons for the use of the upper, forearm, wrist and fingers in piano playing. a subject which has heretofore been misty, and formulates thoroughly the ficient to als occurred the interior transpor-I consider the wrist the distributing tation of the country. With such priviwrist, curving the second finger and denter of the energy of the upper and leges the English company is not likely to depressing it at the knuckle-joint, the forearm. It is impossible for the nervel out to a new concern, even if the sell out to a new concern, even if the linger is in the best possible position our stimulus from the brain to be prop- latter succeed in having the existing charerly conducted to the finger tips when | ter of the Maritime Camal company an-

> Here and infantry followed by a reciew ov President Zelava, his military staff and

It is reported that President Zelava will supe a decree on September 15 granting save fled from their homes during the last ew years, owing to pol \ al complicaions or from fear of impresement into

the war investigating committee dd riot ation of Labor.

The manufacturers say the fires will be kent blacked for a reasonable time, when they will be extinguished and not relighted consise contract with the workers.

rom two to three weeks or possibly long. Pacific, together with the other overson r, as it is the intention of the commis- routes, will put into effect today resuces sion to make a very increase inquiry at all plans. They will travel on a special between San Francisco and Chicago, They irain furnished by the Pennsylvania rail- will be given a first class rate of \$30 to for the accommodation of the entire also be reduced. Many soldiers are going party.

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